



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Florida Impact Window Manufacturing, Inc.
14475 NW 26th Ave
OpaLocka, FL 33054

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "FIW- 2004-D" Aluminum Sliding Glass Door(OX or XO) Steel reinforced- L.M.I.

APPROVAL DOCUMENT: Drawing No. SGD-1, titled "Sliding Glass Door (XO or OX with Steel Reinf)", sheets 1 through 5 of 5, prepared by Francisco Hernandez, P.E. Structural Engineering, dated 06/01/04 and last revised on 3-16-05, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 04-0826.01
Expiration Date: March 10, 2010
Approval Date: March 10, 2005
Page 1

3/25/15

Florida Impact Window

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **SGD-1**, titled "Sliding Glass Door (XO or OX with Steel Reinf)", sheets 1 through 5 of 5, prepared by Francisco Hernandez, P.E. Structural Engineering, dated 06/01/04 and last revised on 03-16-05, signed and sealed by Francisco Hernandez, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 (b) and TAS 202-94along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3973**, dated 11/24/03, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS

1. Anchor Verification Calculations and structural analysis, prepared by Francisco Hernandez Structural Engineering, dated 07/15/04, signed and sealed by Francisco Hernandez, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-1204.01**, issued to E.I. DuPont DeNemours for their "Sentry Glass ® Plus", approved on 01/17/02 and expiring on 01/14/07.
2. Notice of Acceptance No. **03-1223.04**, issued to Surface Specialties for their "Uvekol-Liq. Resin. Inner Layer Film", approved on 02/05/04 and expiring on 02/08/09.

F. STATEMENTS

1. Statement letter of conformance and "No financial interest", both dated 07/10/04, signed and sealed by Francisco Hernandez, P.E.
2. Lab compliance statement as part of the above test report.

Ishaq I. Chanda

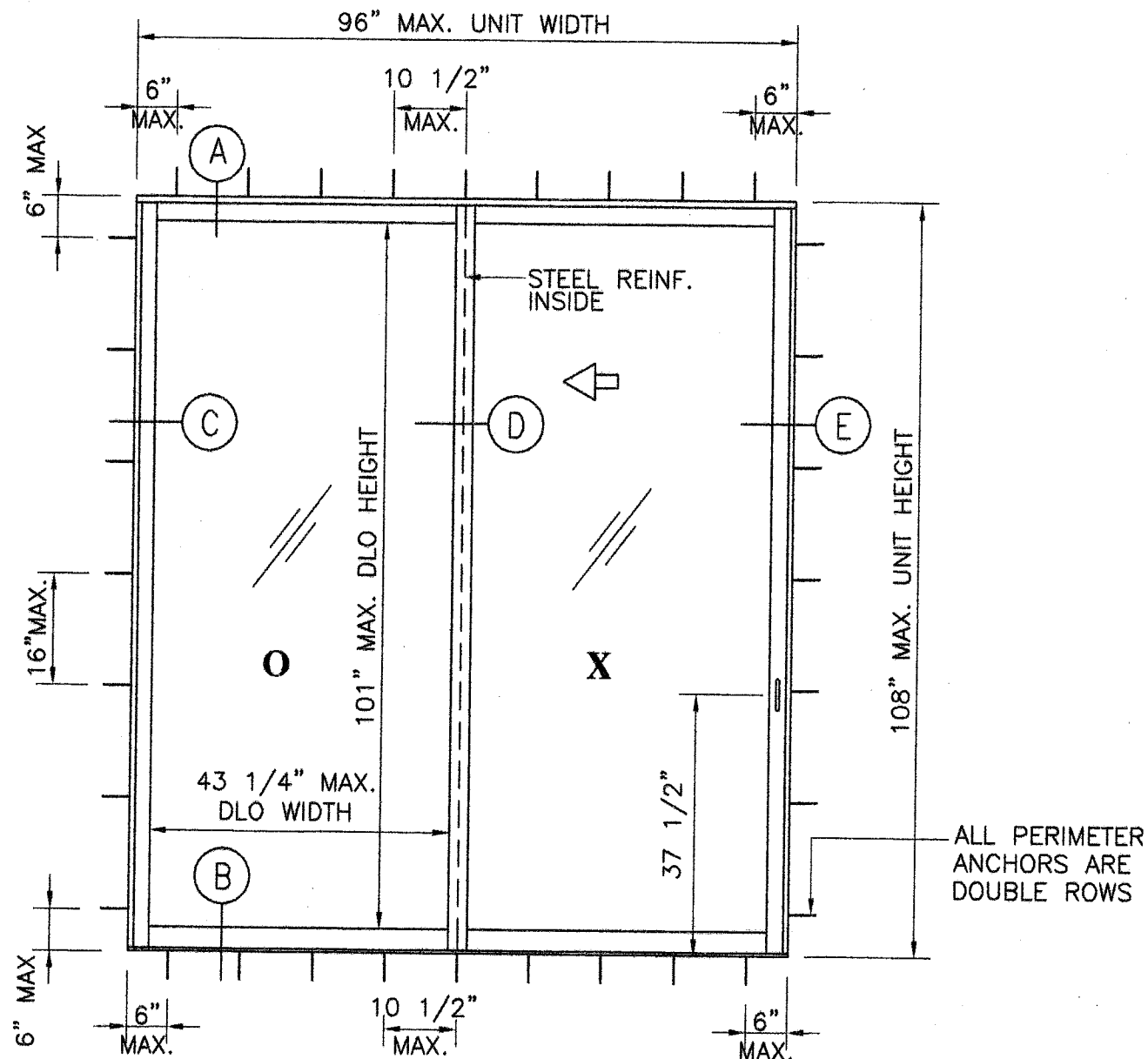
Ishaq I. Chanda, P.E.

Product Control Examiner

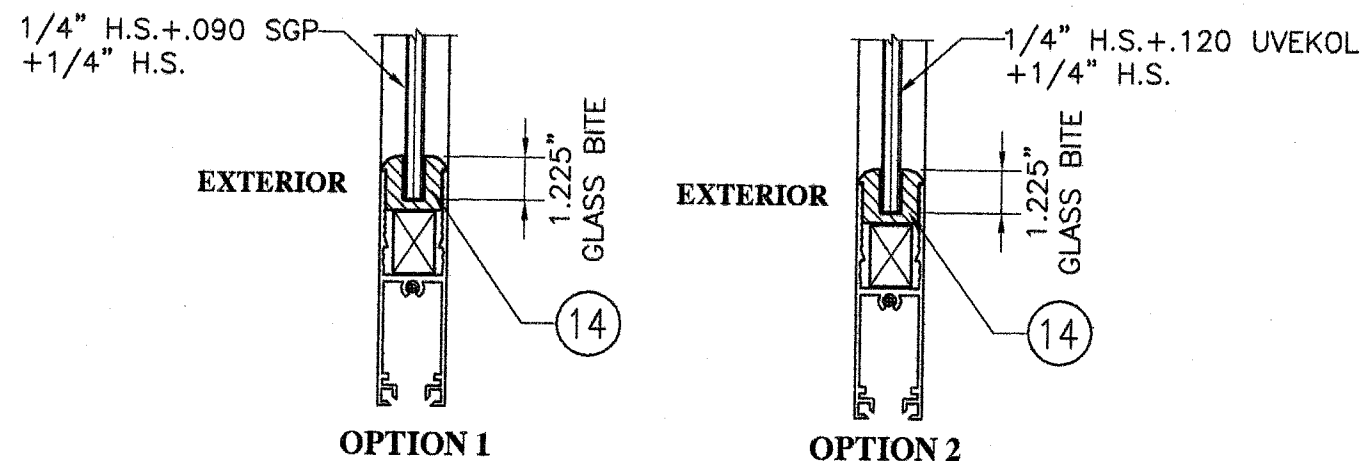
NOA No 04-0826.01

Expiration Date: March 10, 2010

Approval Date: March 10, 2005



**XO / OX REVERSE (2 PANELS - 2 TRACKS)
ELEVATION**



GLAZING DETAIL

ANCHORS:

1. FOR CONNECTION TO CONCRETE BLOCK USE PAIRS OF 1/4" ELCO TAPCON WITH 1 1/2" MINIMUM EMBEDMENT INTO MASONRY WALL
2. FOR CONNECTION TO METAL STRUCTURE USE PAIRS OF 1/4" -20 HILTI KWIK-FLEX SELF-DRILLING SCREW SAE GRADE 5

STEEL MATERIAL SHALL CONFORM TO ASTM A500, A653 OR A36 WITH 12 Gd MINIMUM WALL THICKNESS.
ALUMINUM ALLOY 6063-T5 WITH 1/8" MINIMUM WALL THICKNESS.

3. FOR CONNECTION TO 2BY WOOD BUCK OR WOOD STRUCTURE USE PAIRS OF 1/4"-20 HILTI KWIK-FLEX SELF-DRILLING SCREW SAE GRADE 5 WITH 1 1/2" MINIMUM EMBEDMENT INTO WOOD

GLASS:

OPTION 1:

0.534" OVERALL LAMINATED GLASS USING 1/4" HEAT STRENGTHENED GLASS WITH A 0.090 INNER LAYER FILM, SENTRY GLASS PLUS BY DUPONT PLUS 1/4" HEAT STRENGTHENED GLASS

OPTION 2:

0.564" OVERALL LAMINATED GLASS USING 1/4" HEAT STRENGTHENED GLASS WITH A 0.120" INNER LAYER FILM, UVEKOL-LIQ. RESIN BY UCB CHEMICAL PLUS 1/4" HEAT STRENGTHENED GLASS LAMINATED BY UCB APPROVED LAMINATOR

GLAZING METHOD

PANELS ARE CHANNEL GLAZED WITH A 1.225" GLAZING PENETRATION USING A FLEXIBLE VINYL GLAZING CHANNEL (SEE GLAZING DETAIL ON THIS SHEET)

SEALANT

PANEL AND FRAME CORNERS TO BE SEALED WITH SILICONE

DESIGN PRESSURE RATING

POSITIVE = 100 PSF
NEGATIVE = 100 PSF

FOR ALL TWO PANEL DOORS WITH PANELS EQUAL OR SMALLER THAN 49 1/8" W X 107 1/8" H

Approved as complying with the
Florida Building Code
Date MARCH 10, 2005
NOA# 04-0826-01
Miami Dade Product Control
Division
By Shaq I. Chaudh

FRANCISCO HERNANDEZ
FL PE # 51393

FLORIDA IMPACT WINDOWS

14475 NW 26th AVE
Opalocka, Florida 33054

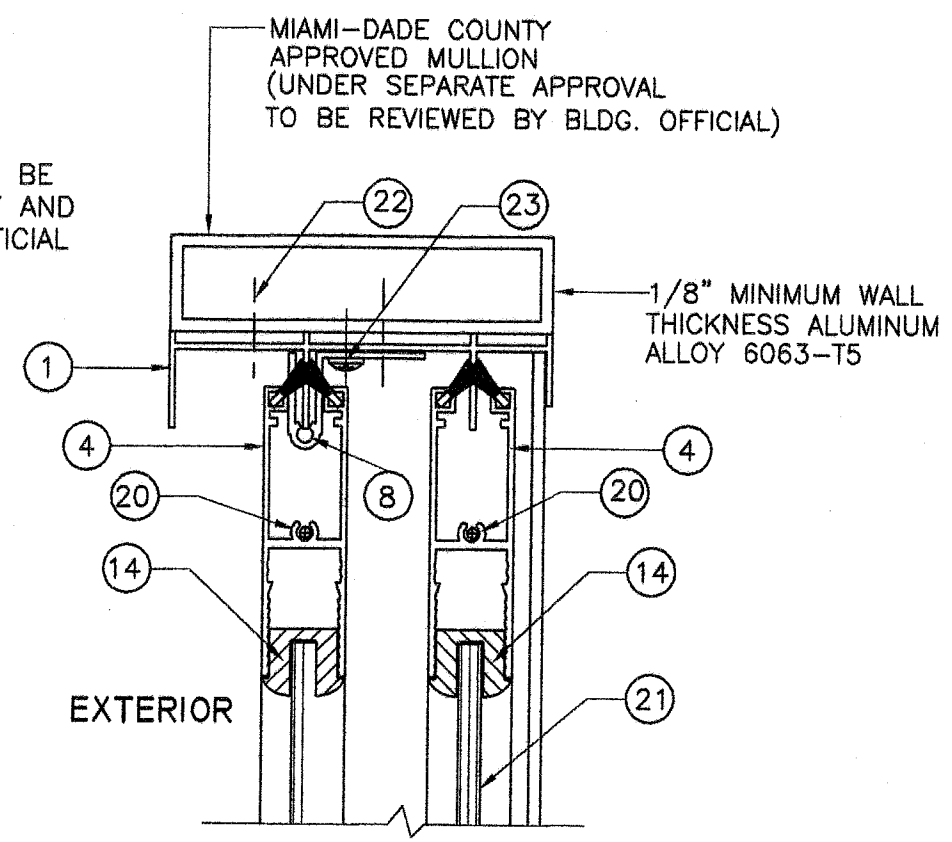
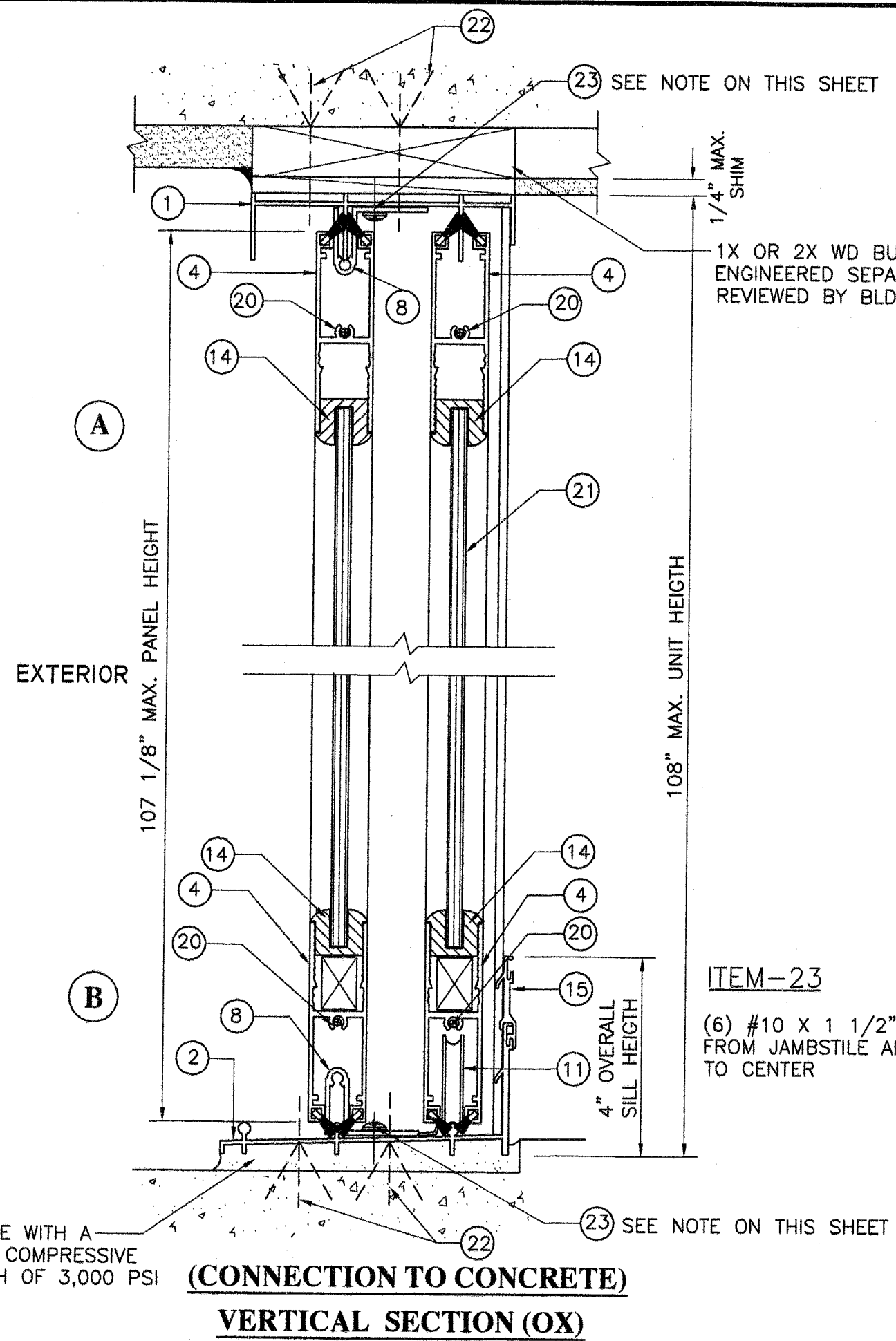
FRANCISCO HERNANDEZ P.E.
Structural Engineering
15113 SW 35 Terr.
Miami, Florida 33185
Phone (305) 227-6901
Fax (305) 229-8605

SLIDING GLASS DOOR
(XO OR OX WITH STEEL REINF.)
SERIES FIW - 2004-D
LARGE MISSILE IMPACT RESISTANT

Drawn By: MH
Date: 6-1-04
Scale: NTS
Revision: _____
Revision: _____

DRAWING NO.
SGD-1

SHEET
1 OF 5



(CONNECTION TO ALUMINUM MULL)
SECTION A

ITEM-23
(6) #10 X 1 1/2" PH SMS (ITEM 23) AT 3" MAX. FROM JAMBSTILE AND AT EQUAL SPACES CENTER TO CENTER

<p>Approved as complying with the Florida Building Code Date <u>March 16, 2005</u> NOA# <u>04-0826-01</u> Miami Dade Product Control Division By <u>Shaq I. Chanda</u></p>	<p><i>[Signature]</i> 3-16-05</p>
	<p>FRANCISCO HERNANDEZ FL. PE # 51393</p>

<p>FLORIDA IMPACT WINDOWS 14475 NW 26th AVE Opalocka, Florida 33054</p>
<p>FRANCISCO HERNANDEZ P. E. Structural Engineering 15113 SW 35 Ter. Miami, Florida 33185 Phone (305) 227-6901 Fax (305) 229-8605</p>
<p>SLIDING GLASS DOOR (XO OR OX WITH STEEL REINF.) SERIES FIW - 2004-D LARGE MISSILE IMPACT RESISTANT</p>
<p>Drawn By: <u>MH</u> Date: <u>6-1-04</u> Scale: <u>NTS</u> Revision: _____ Revision: _____</p>
<p>DRAWING NO. <u>SGD-1</u></p>
<p>SHEET 2 OF 5</p>

FLORIDA IMPACT WINDOWS

14475 NW 26th AVE
Opalocka, Florida 33054

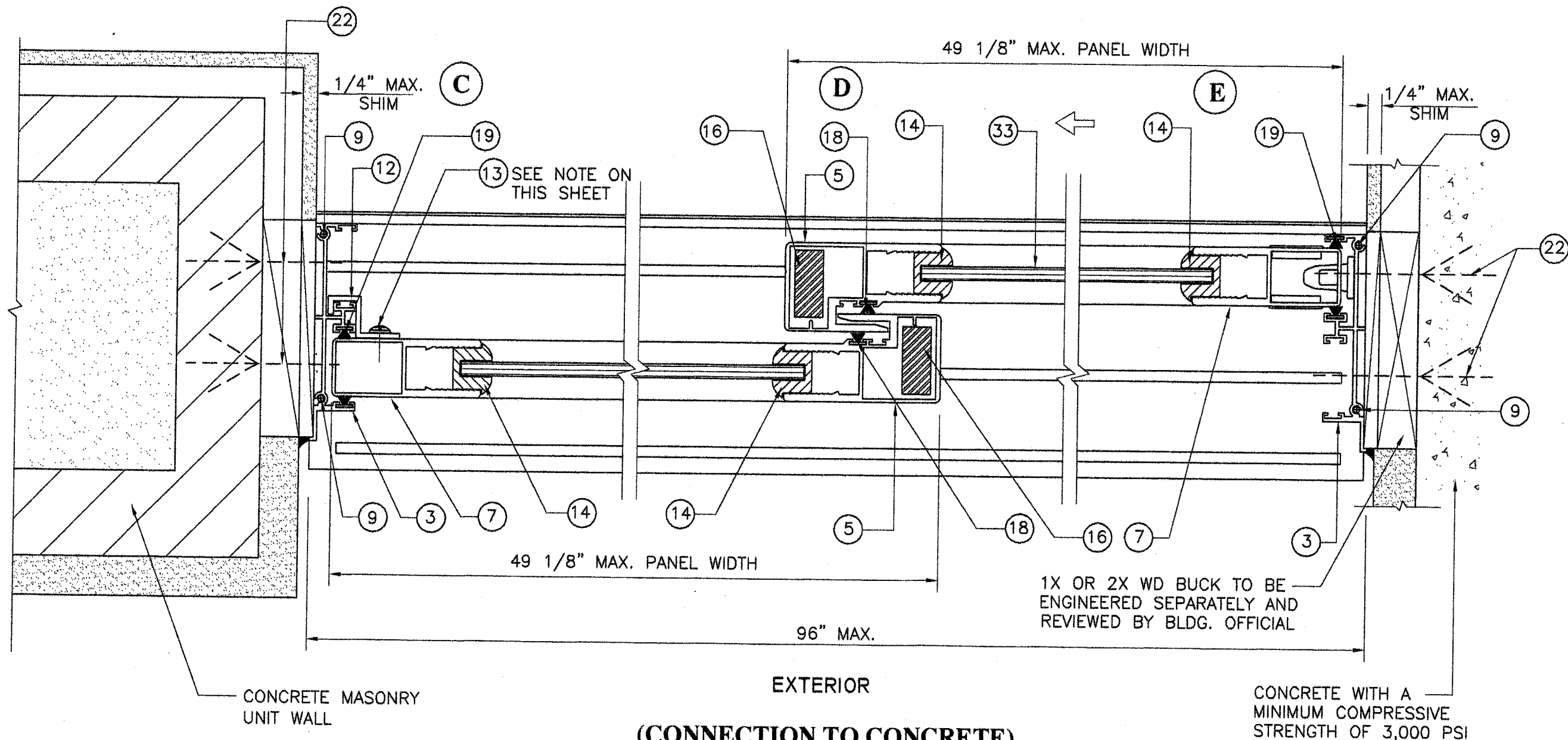
FRANCISCO HERNANDEZ P.E.
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Phone (305) 227-6901
Fax (305) 229-8605

**SLIDING GLASS DOOR
(XO OR OX WITH STEEL REINF.)
SERIES FIW - 2004-D
LARGE MISSILE IMPACT RESISTANT**

Drawn By: MH
Date: 6-1-04
Scale: NTS
Revision: _____
Revision: _____

DRAWING NO.
SGD-1

SHEET
3 OF 5



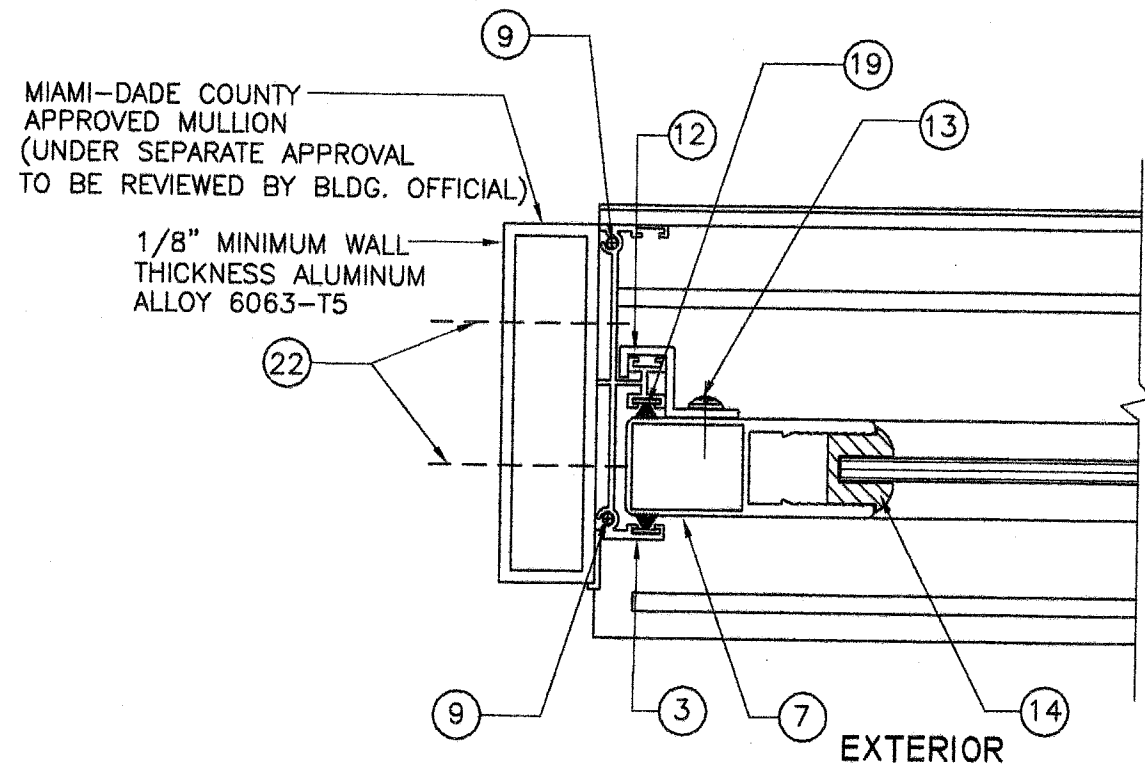
**(CONNECTION TO CONCRETE)
HORIZONTAL SECTION (OX)**

ITEM-13

(6) #10 X 1" PH SMS (ITEM 13) AT 3" MAX
FROM TOP AND BOTTOM OF JAMBSTILE AND
AT EQUAL SPACES CENTER TO CENTER

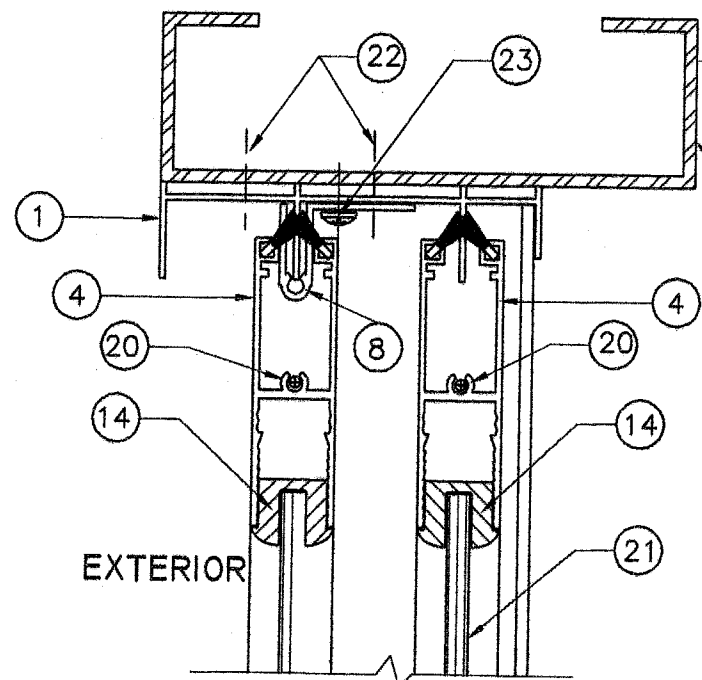
Approved as complying with the
Florida Building Code
Date March 10, 2005
NOA# 04-0826-01
Miami Dade Product Control
Division
By Shag I. Chanda

3-16-05
FRANCISCO HERNANDEZ
FL PE # 51393



(CONNECTION TO ALUMINUM MULL)

SECTION C
SECTION E (SIMILAR)

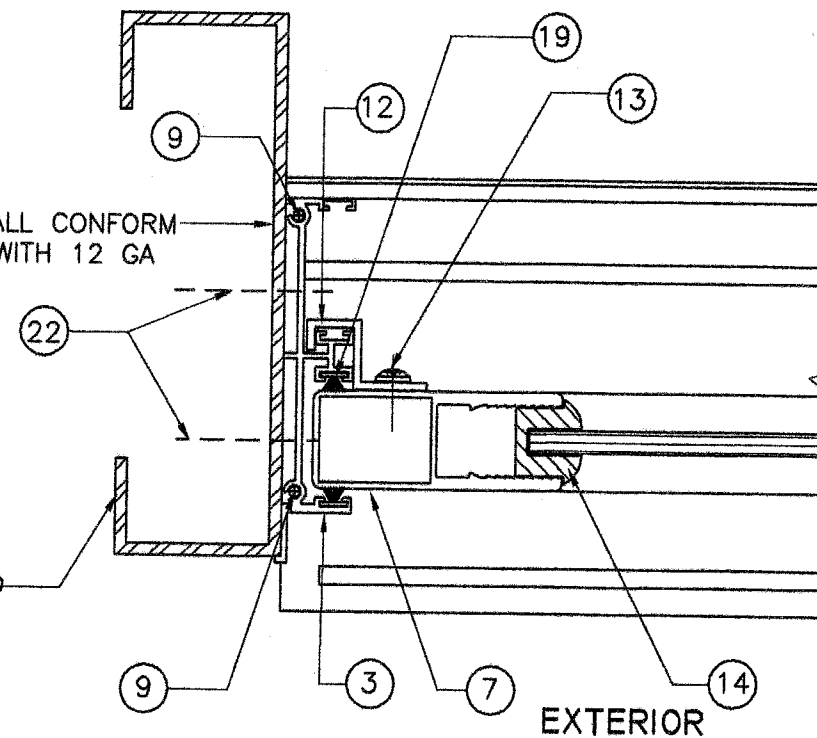


(CONNECTION TO STEEL MEMBER)

SECTION A

STEEL MEMBER BY OTHERS SHALL CONFORM TO ASTM A500, A653 OR A36 WITH 12 GA MINIMUM WALL THICKNESS

STEEL MEMBER TO BE REVIEWED BY BLDG. OFFICIAL



(CONNECTION TO STEEL MEMBER)

SECTION C
SECTION E (SIMILAR)

FLORIDA IMPACT WINDOWS

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SLIDING GLASS DOOR
(XO OR OX WITH STEEL REINF.)
SERIES FIW - 2004-D
LARGE MISSILE IMPACT RESISTANT

Drawn By: MH
Date: 6-1-04
Scale: NTS
Revision: _____
Revision: _____

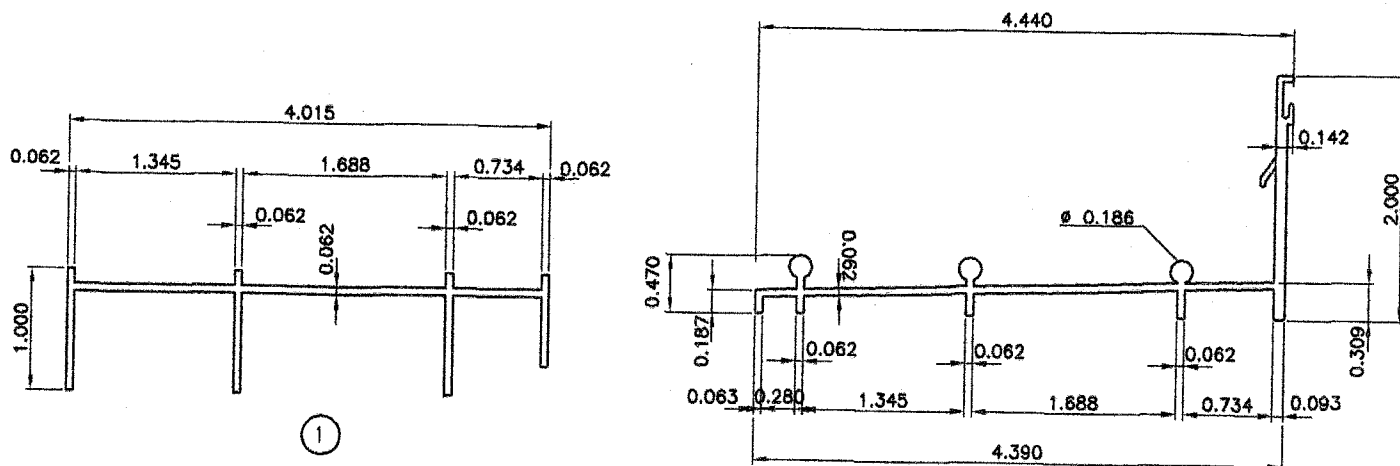
DRAWING NO.
SGD-1

SHEET
4 OF 5

Approved as complying with the
Florida Building Code
Date MARCH 10, 2005
NOA# 04-0826-PT
Miami Dade Product Control
Division
By Shaq I. Chande

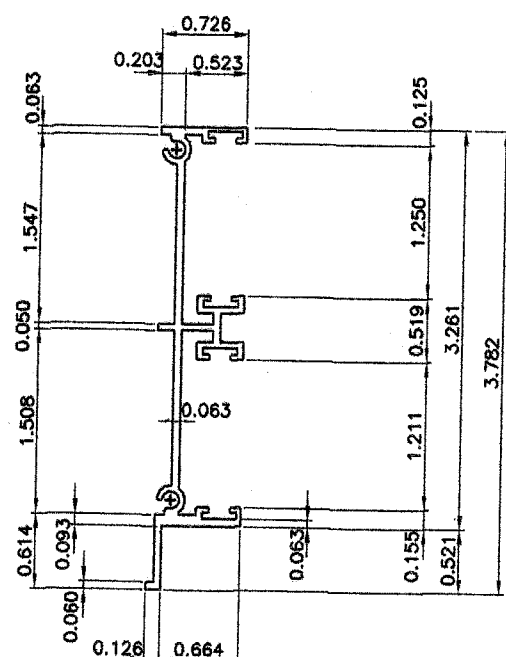
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3-16-05

FRANCISCO HERNANDEZ
FL PE # 51393

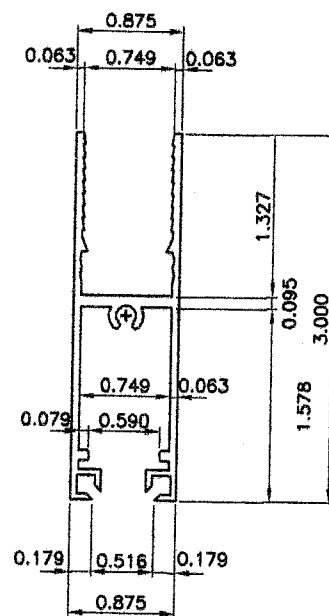


1
FRAME HEAD
FSP 024

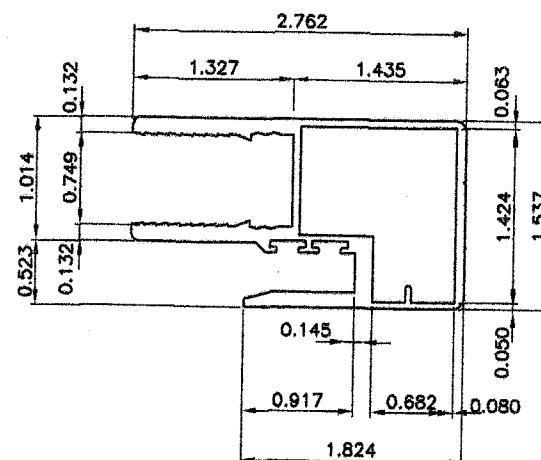
2
FRAME SILL
FSP 043



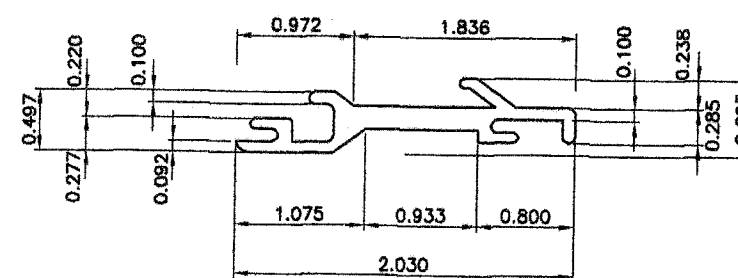
3
FRAME JAMB
FSP 025



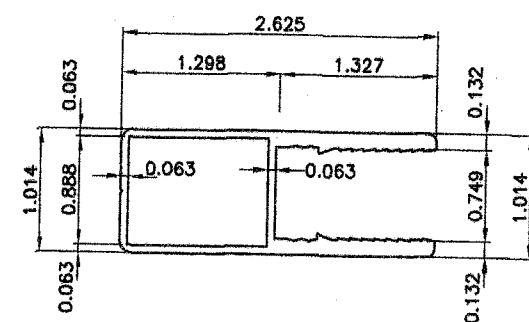
4
TOP AND BOTTOM RAIL
FSP 026



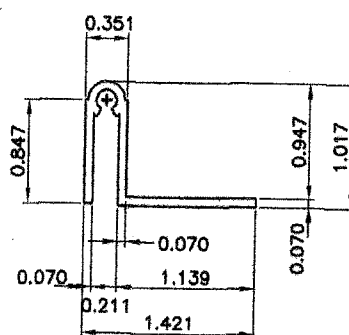
5
MOVING INTERLOCK
FSP 028



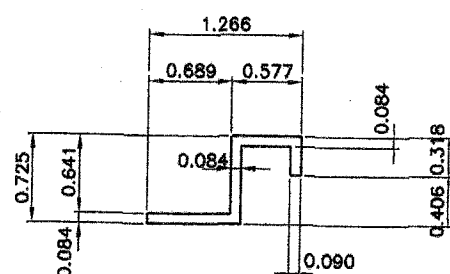
15
SILL ADAPTER
FSP 030



7
LOCKSTILE AND JAMBSTILE
FSP 027



8
ADAPTER HEAD/SILL
FSP 032



12
FIXED PANEL SIDE RAIL
FSP 031

MATERIAL LIST

ITEM #	PART	DESCRIPTION	MATERIAL
1	FSP 024	FRAME HEAD	6063-T6
2	FSP 043	FRAME SILL	6063-T6
3	FSP 025	FRAME JAMB	6063-T6
4	FSP 026	TOP AND BOTTOM RAIL	6063-T6
5	FSP 028	MOVING INTERLOCK/FIXED INTERLOCK	6063-T6
7	FSP 027	LOCKSTILE AND JAMBSTILE	6063-T6
8	FSP 032	FIXED ADAPTER HEAD/SILL	6063-T6
9	FASTENER	#10 X 1" PM SMS	
10	-	WEATHER STRIP	
11	-	TANDEM ROLLER REGULAR (SS)	
12	FSP 031	FIXED PANEL SIDE STILE	6063-T6
13	FASTENER	#10 X 1" PM SMS	
14	-	GLAZING BULB	
15	FSP 030	SILL ADAPTER	6063-T6
16	FSP 101	5/8"X1 3/16" STEEL BAR L= PANEL HEIGHT-24.5"	ASTM A36
17	SILICONE	SCS2800 GE OR PECORA 895	
18	-	WEATHER STRIP (INTEGRAL FIN)	
19	-	VINYL BULB	
20	FASTENER	#10 X 2" PH SMS	
21	GLASS	SEE GLAZING NOTES ON SHEET 1 OF 5	
22	ANCHORS	SEE ANCHORS NOTES ON SHEET 1 OF 5	
23	FASTENER	#10 X 1 1/2" PH SMS	

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SLIDING GLASS DOOR
(XO OR OX WITH STEEL REINF.)
SERIES FIW - 2004-D
LARGE MISSILE IMPACT RESISTANT

Drawn By: MH
Date: 5-28-04
Scale: NTS
Revision: _____
Revision: _____

DRAWING NO.
SGD-1

SHEET
5 OF 5

Approved as complying with the
Florida Building Code
Date: MAY 10, 2005
NOA# 04-0826-01
Miami Dade Product Control
Division
By: [Signature]

[Signature]
3-16-05

FRANCISCO HERNANDEZ
FL PE # 51393